



## Science Toolkit: Grade 8 Objective 1.A.1.h

Student Handout: Science: Grade 8 Objective 1.A.1.h

Standard 1.0 Skills and Processes

Topic A. Constructing Knowledge

Indicator 1. Design, analyze, or carry out simple investigations and formulate appropriate conclusions based on data obtained or provided.

Objective h. Use mathematics to interpret and communicate data.

Selected Response (SR) Item

Question

Students measured the length of a flagpole shadow several times during a day. The students recorded their data in the table below.

LENGTH OF FLAGPOLE SHADOW

Time of Day	Length of Shadow (meters)
10 A.M.	4
11 A.M.	2
Noon	0
1 P.M.	?

What is the length of the flagpole shadow at 1 P.M.?

- A. 0 meters
- B. 2 meters
- C. 4 meters
- D. 6 meters

Correct Answer

B. 2 meters

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